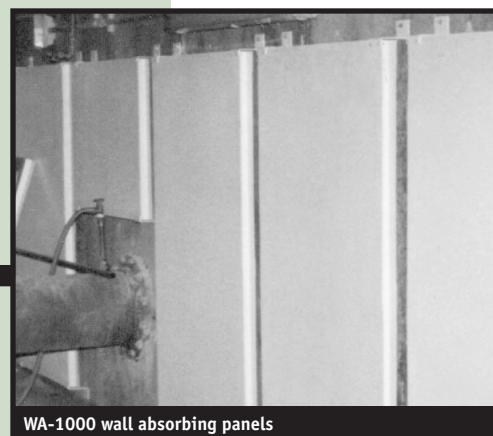


Soundscreen™ WA-1000 Wall Absorbing Panels

a McGill AirSilence™ product

United McGill® products

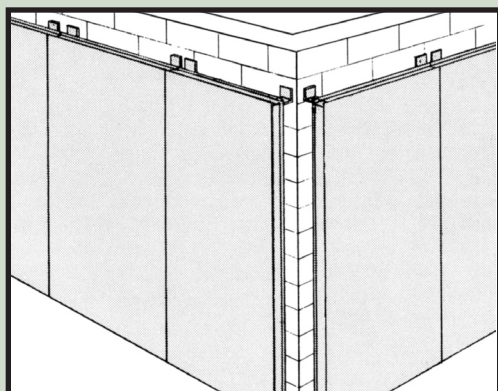


WA-1000 wall absorbing panels

It is not practical to add porous acoustical materials directly to a factory wall. Good noise absorbing materials such as foam, mineral wool, and fiberglass cannot stand up to the normal wear and tear of the typical factory environment. Soundscreen WA-1000 wall panels are a practical way to add noise absorption to existing hard and acoustically reflective factory walls and ceilings. In spaces where high levels of noise reverberation exist, the proper combination of wall and ceiling absorbers can provide up to 10 dBA reduction. In addition, the space acoustics will be considerably "softened," giving better communications and a generally improved working environment.

Panel Construction

WA-1000 wall panels are constructed with a perforated metal outer shell, acoustic insulation, and steel straps across the open back of the panel connecting to the outer shell. Mounting brackets welded to the top and bottom of the panel provide a 2-inch wall offset. This arrangement allows clearance for conduit and other



WA-1000 panels attach easily with welded mounting brackets.

wall obstructions. Standard panel dimensions are 2 inches thick by 18, 33, or 42 inches wide and up to 8 feet in length. The panels may be butted together to form a continuous absorbing panel.

Materials

The perforated outer shell is made from 22-gauge galvanized steel with an effective open area of 23 percent. The steel straps are constructed of 18-gauge galvanized steel and the wall brackets from 10-gauge galvanized steel.

WA-1000 panels are the practical way to add noise absorption to existing walls and ceilings.

Sound Absorption Coefficients

Octave Band Number	2	3	4	5	6	7	NRC
Center Frequency Hz	125	250	500	1K	2K	4K	
Soundscreen WA-1000 Panels							
Absorption Coefficients							
2-inch panel	0.39	0.79	1.08	1.38	1.19	1.18	1.10
2-inch panel with 2 mil vapor barrier	0.31	0.85	1.24	1.26	1.04	0.83	1.10

NRC is the noise reduction coefficient. The NRC value is calculated by averaging the sound absorption coefficients for the following frequencies: 250, 500, 1000, and 2000 Hz.

Insulation

The acoustical fill is a fiberglass batt insulation. The insulation is 2 inches thick with a density of 1.55 pounds per cubic foot (pcf). It has a flame spread of 25 and smoke developed of 10, measured in accordance with ASTM-E84. The insulation will not settle or promote the growth of bacteria, mold, vermin, or insects. A 2 mil (maximum) barrier is available to help protect against moisture.

Products depicted in this specification sheet were current at the time of publication. As a quality-conscious manufacturer, McGill AirSilence is continually seeking ways to improve its products to better serve its customers. Therefore, all designs, specifications, and product features are subject to change without notice.

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